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Respectfully submitted,

HOWSON AND HOWSON
Attorneys for the Applicants

By Cathy A. Kodroff
Cathy A. Kodroff
Registration No. 33,980
Spring House Corporate Center
Box 457
Spring House, PA 19477
Telephone: (215) 540-9210
Telefacsimile: (215) 540-5818

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APPENDIX A - AMENDED CLAIMS

1. (Amended) A method for reducing or eliminating the susceptibility of a tropoelastin [or a tropoelastin variant] to proteolysis comprising mutating a sub-sequence in the tropoelastin [or the tropoelastin variant] so that the susceptibility of the tropoelastin [or the tropoelastin variant] to proteolysis is reduced or eliminated.

42. (Amended) A method for enhancing the susceptibility of a tropoelastin [or a tropoelastin variant] to proteolysis comprising inserting a sub-sequence into the tropoelastin [or the tropoelastin variant] so that the susceptibility of the tropoelastin [or the tropoelastin variant] to proteolysis is enhanced.

81. (Amended) A method for enhancing the purification of a tropoelastin [or a tropoelastin variant] comprising including a peptidomimetic molecule according to any one of claims 76 to 80 in a crude tropoelastin [or tropoelastin variant] preparation which is being subjected to purification.

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